

Metrics

Description

This course will teach the participant to identify metric prefixes. You will solve problems using metrics to convert English units to metric units, to convert metric mass values to English mass values, to convert time units to English standard time units. Upon completion the participant will be able to

convert standard temperature units to metric time units. You will be able to identify metric units for pressure. Also the participant will be able to identify and convert standard units for torque to metric torque units.

Outline

- Seven fundamentals for the metric system.
- Supplementary standards.
- Metric prefixes.
- Compare the SI and English (British) systems of measurement.
- Calculate the metric values of objects.
- Identify the standard for mass in the International System.
- Convert metric mass values.
- Identify base unit of the metric time system.
- Convert metric time units.
- Identify standard for temperature in the metric system.
- Convert temperature using units from Fahrenheit, Kelvin and Celsius.
- Identify the metric units for pressure.
- Convert metric pressure units to standard units and then standard units to metric units.
- Identify the metric units for torque.
- Convert metric torque units to standard units and then standard units to metric units.

Prerequisites

There are no prerequisites required for this course other than an interest in the metric system and a willingness to learn.

Course Length

16 hours.

Performance Objectives

At the completion of this course the participant will be able to:

- Identify seven fundamental measures of the metric system.
- State supplementary standards.
- Identify metric prefixes.
- Convert standard numbers into scientific notation.
- Compare and contrast SI and British standards.